

1
SEQUENCE LISTING

<110> G2M Cancer Drugs AG

Forschungszentrum Karlsruhe GmbH

<120> The use of molecular markers for the preclinical and clinical
profiling of inhibitors of enzymes having histone deacetylase activity

<130> molecular markers

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 488

<212> PRT

<213> homo sapiens

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65 70 75 80Arg Pro Asp Asn Met Ser Glu Tyr Ser Lys Gln Met His Ile Phe Asn
85 90 95Val Gly Glu Asp Cys Pro Ala Phe Asp Gly Leu Phe Glu Phe Cys Gln
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115 120 125

Gln Thr Asp Met Ala Val Asn Trp Ala Gly Gly Leu His His Ala Lys
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 Lys Tyr Glu Ala Ser Gly Phe Cys Tyr Val Asn Asp Ile Val Leu Ala
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 Ile Leu Glu Leu Leu Lys Tyr His Gln Arg Val Leu Tyr Ile Asp Ile
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 Asp Ile His His Gly Asp Gly Val Glu Glu Ala Phe Tyr Thr Thr Asp
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 Arg Val Met Thr Val Ser Phe His Lys Tyr Gly Glu Tyr Phe Pro Gly
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 Thr Gly Asp Leu Arg Asp Ile Gly Ala Gly Lys Gly Lys Tyr Tyr Ala
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 Val Asn Phe Pro Met Cys Asp Gly Ile Asp Asp Glu Ser Tyr Gly Gln
 225 230 235 240
 Ile Phe Lys Pro Ile Ile Ser Lys Val Met Glu Met Tyr Gln Pro Ser
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 Val Lys Thr Phe Asn Leu Pro Leu Leu Met Leu Gly Gly Gly Gly Tyr
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 Tyr Phe Gly Pro Asp Phe Lys Leu His Ile Ser Pro Ser Asn Met Thr
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 Asn Gln Asn Thr Pro Glu Tyr Met Glu Lys Ile Lys Gln Arg Leu Phe
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3

Asp Pro Asp Lys Arg Ile Ser Ile Arg Ala Ser Asp Lys Arg Ile Ala
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Cys Asp Glu Glu Phe Ser Asp Ser Glu Asp Glu Gly Glu Gly Gly Arg
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Arg Asn Val Ala Asp His Lys Lys Gly Ala Lys Lys Ala Arg Ile Glu
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Glu Asp Lys Lys Glu Thr Glu Asp Lys Lys Thr Asp Val Lys Glu Glu
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<210> 2

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<213> homo sapiens

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Gly Val Trp Lys Val Arg Val Asp Leu Pro Asp Lys Tyr Pro Phe Lys
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Ser Pro Ser Ile Gly Phe Met Asn Lys Ile Phe His Pro Asn Ile Asp
 65 70 75 80

Glu Ala Ser Gly Thr Val Cys Leu Asp Val Ile Asn Gln Thr Trp Thr
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Ala Leu Tyr Asp Leu Thr Asn Ile Phe Glu Ser Phe Leu Pro Gln Leu
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Leu Ala Tyr Pro Asn Pro Ile Asp Pro Leu Asn Gly Asp Ala Ala Ala
 115 120 125

Met Tyr Leu His Arg Pro Glu Glu Tyr Lys⁴ Gln Lys Ile Lys Glu Tyr
 130 135 140

Ile Gln Lys Tyr Ala Thr Glu Glu Ala Leu Lys Glu Gln Glu Glu Gly
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<210> 3

<211> 624

<212> PRT

<213> homo sapiens

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 65 70 75 80

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Ser Ile Ile Asp Trp Leu Asn Ser Val Arg Gln Thr Gly Asn Thr Thr
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Arg Ser Gly Gln Arg Gly Asn Gln Ser Trp Arg Ala Val Cys Arg Thr
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 195 200 205
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 210 215 220
 Ala Glu Arg Ser Arg Ser Pro Leu His Pro Met Ser Glu Ile Pro Arg
 225 230 235 240
 Arg Ser His His Ser Ile Ser Ser Gln Thr Phe Glu His Pro Leu Val
 245 250 255
 Asn Glu Thr Glu Gly Ser Ser Arg Thr Arg His His Val Thr Leu Arg
 260 265 270
 Gln Gln Ile Ser Gly Pro Glu Leu Leu Ser Arg Gly Leu Phe Ala Ala
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 Ala Ser Gly Glu Ser Thr Gly Ser Gly Gln Arg Pro Pro Thr Ile Val
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 Ser Tyr Phe Met Tyr Ser Asp Ser Asp Ser Glu Pro Thr Gly Ser Val
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 Ser Asn Arg Asn Met Glu Arg Ala Glu Ser Arg Ser Gly Arg Gly Gly
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Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Pro Ser Ser Ser
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Arg His Arg Ala Pro Val Thr Phe Asp Glu Ser Gly Ser Leu Pro Phe
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Pro Arg Gly Leu Thr Lys Glu Gln Ile Asp Asn Leu Ala Met Arg Ser
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Phe Gly Glu Asn Asp Ala Leu Lys Thr Cys Ser Val Cys Ile Thr Glu
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Tyr Thr Glu Gly Asn Lys Leu Arg Lys Leu Pro Cys Ser His Glu Tyr
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<210> 4

<211> 281

<212> PRT

<213> homo sapiens

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7

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 Glu Glu Thr Ile Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro
 100 105 110
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 115 120 125
 Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu
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<210> 5

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<212> DNA

<213> homo sapiens

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<212> DNA

<213> homo sapiens

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<212> DNA

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<210> 8

<211> 1769

<212> DNA

<213> homo sapiens

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11

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